

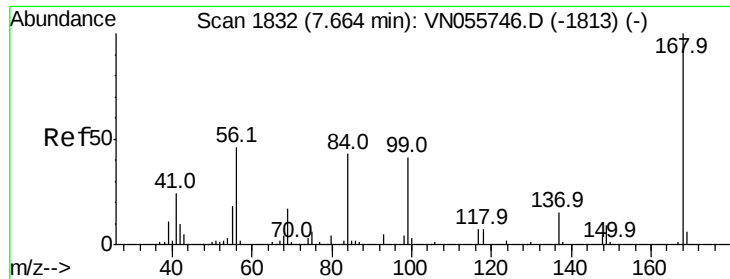
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052819\
 Data File : VN055855.D
 Acq On : 28 May 2019 16:12
 Operator : JC/SP
 Sample : K3073-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP-6B

Quant Time: May 28 17:39:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	426149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	610004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	548142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	184909	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	202125	45.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.86%	
35) Dibromofluoromethane	7.59	113	185169	48.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.02%	
50) Toluene-d8	10.09	98	725368	49.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.40	95	222701	43.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.80%	
Target Compounds						
					Qvalue	
16) Acetone	3.83	43	6583	3.403	ug/l	94
18) Methyl Acetate	4.33	43	1493	Below Cal	#	66
28) Bromochloromethane	7.37	49	20268	6.050	ug/l #	7
29) Tetrahydrofuran	7.36	42	470	0.275	ug/l #	1
30) Chloroform	7.37	83	293842	41.878	ug/l	100
31) Cyclohexane	7.66	56	5927	0.897	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	25070	4.716	ug/l #	48
38) Carbon Tetrachloride	7.66	117	35185	6.354	ug/l #	14
41) Methacrylonitrile	7.37	41	646	0.249	ug/l #	19
43) Isopropyl Acetate	8.29	43	3786	0.439	ug/l #	53
71) Bromoform	12.40	173	1210	0.324	ug/l #	1
74) N-amyl acetate	12.03	43	221	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	103742	31.412	ug/l #	100
79) 2-Chlorotoluene	12.59	91	121	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	427	Below Cal	#	28
81) trans-1,4-Dichloro-2-buten	12.40	75	103742	75.487	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	865	Below Cal		82
85) sec-Butylbenzene	13.17	105	32	Below Cal	#	55

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055855.D

Acq: 28 May 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

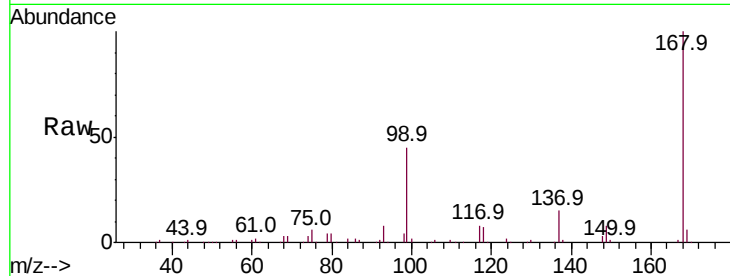
TWP-6B

Tot Ion:168 Resp: 426149

Ion Ratio Lower Upper

168 100

99 45.3 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

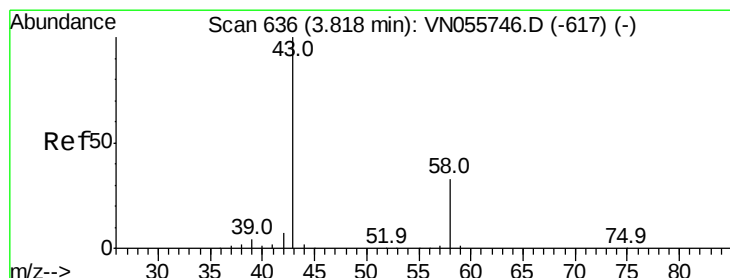
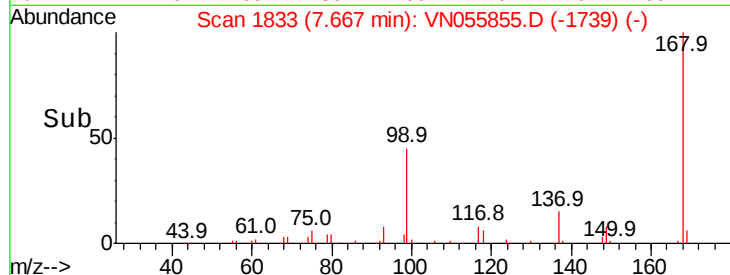
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 3.403 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN055855.D

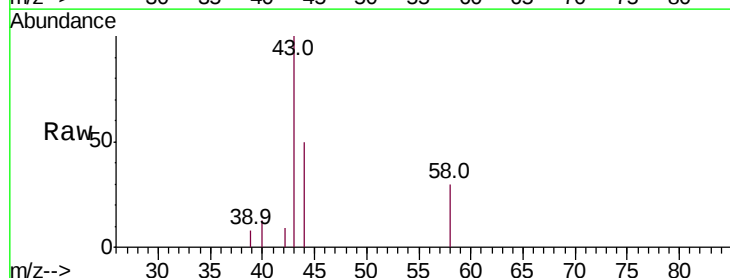
Acq: 28 May 2019 16:12

Tgt Ion: 43 Resp: 6583

Ion Ratio Lower Upper

43 100

58 29.9 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

2500

2000

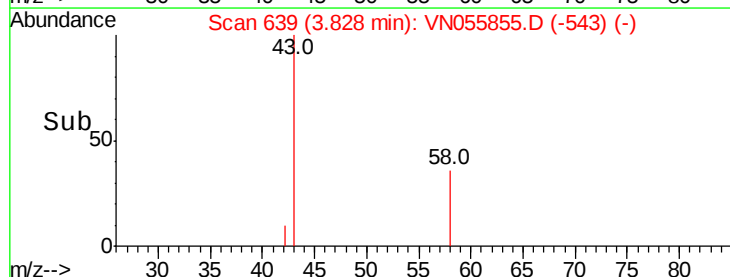
1500

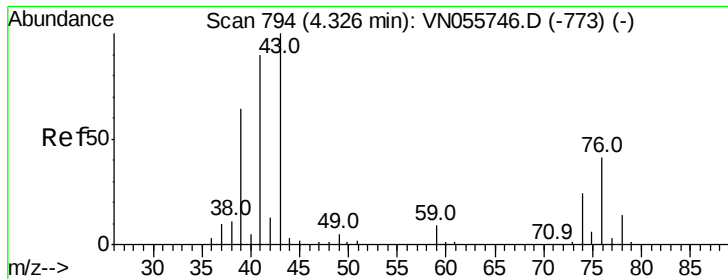
1000

500

0

Time-->





#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055855.D

Acq: 28 May 2019 16:12

Instrument :

MSVOA_N

ClientSampled :

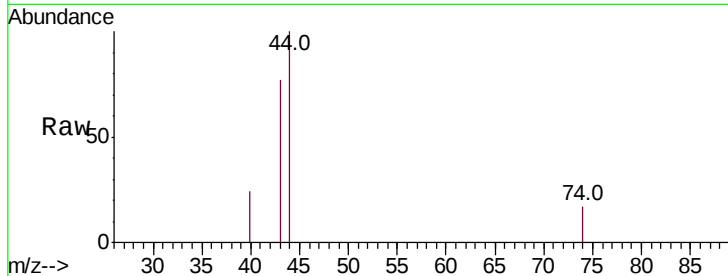
TWP-6B

Tot Ion: 43 Resp: 1493

Ion Ratio Lower Upper

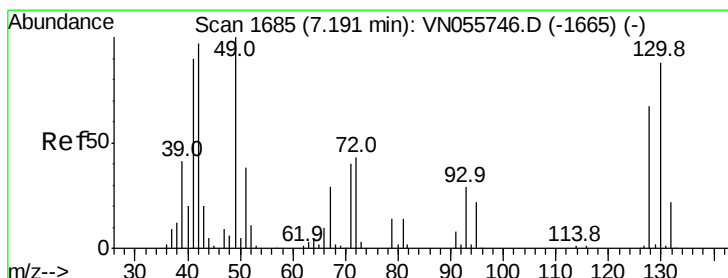
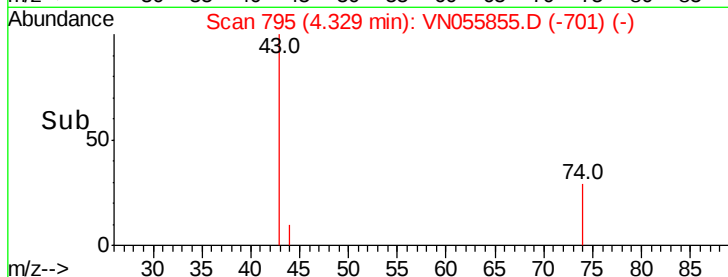
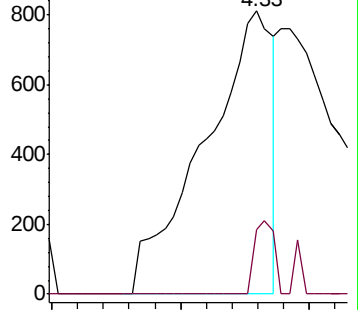
43 100

74 7.4 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#28

Bromochloromethane

Concen: 6.050 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.18 min

Lab File: VN055855.D

Acq: 28 May 2019 16:12

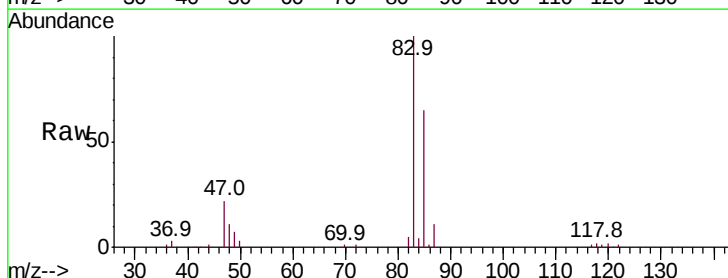
Tgt Ion: 49 Resp: 20268

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

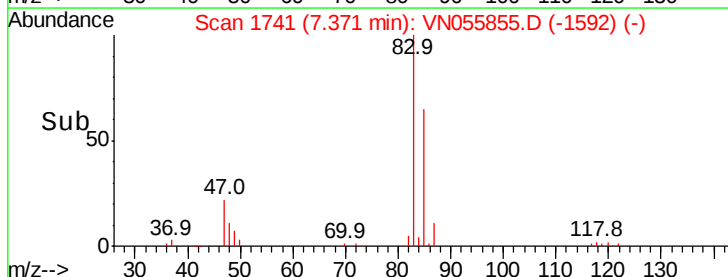
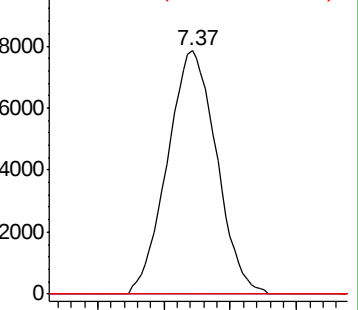
130 0.0 71.2 106.8#

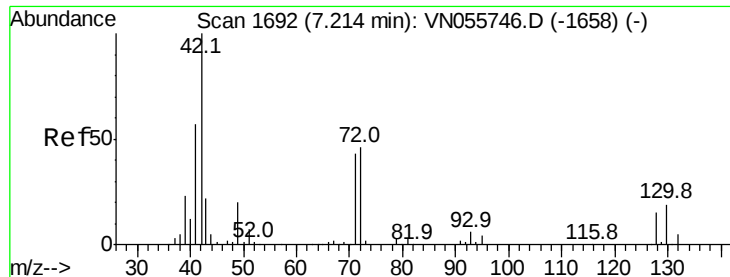


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 0.275 ug/l

RT: 7.36 min Scan# 1739

Delta R.T. 0.15 min

Lab File: VN055855.D

Acq: 28 May 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

TWP-6B

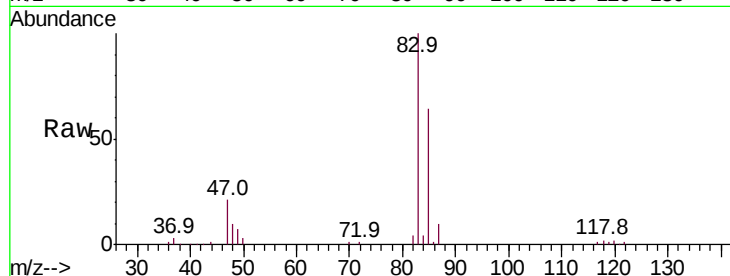
Tot Ion: 42 Resp: 470

Ion Ratio Lower Upper

42 100

72 344.0 35.9 53.9#

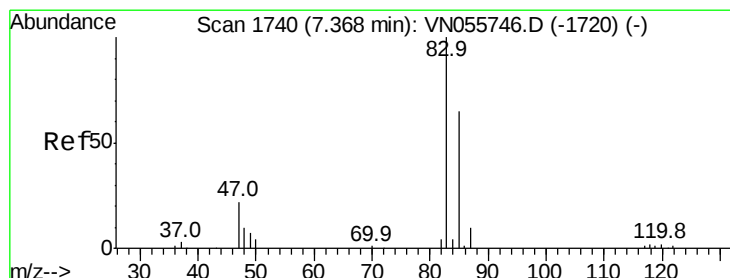
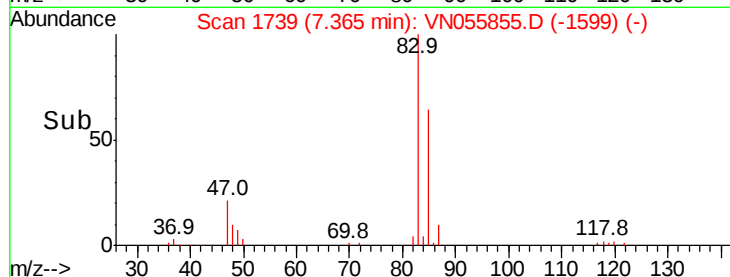
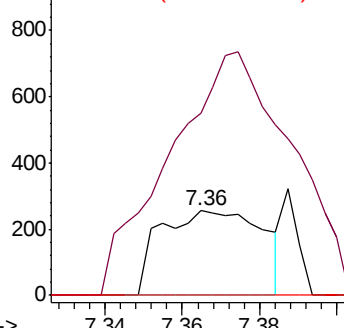
71 0.0 34.0 51.0#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 41.878 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN055855.D

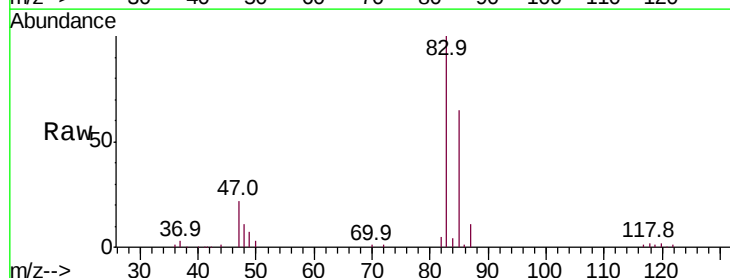
Acq: 28 May 2019 16:12

Tgt Ion: 83 Resp: 293842

Ion Ratio Lower Upper

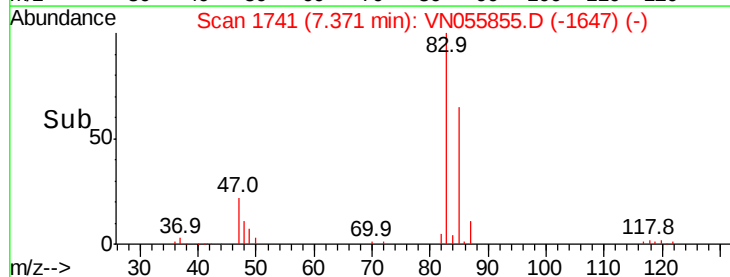
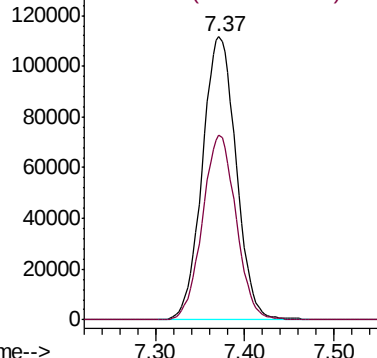
83 100

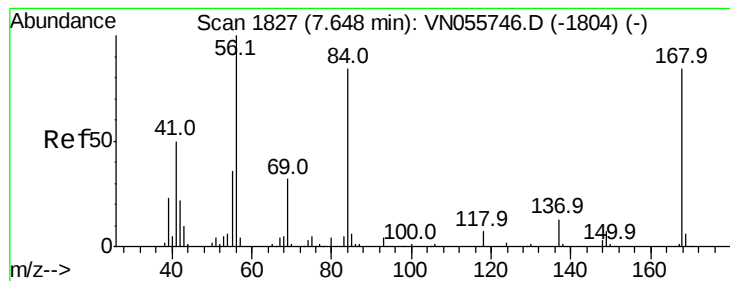
85 65.2 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 0.897 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN055855.D

Acq: 28 May 2019 16:12

Instrument :

MSVOA_N

ClientSampled :

TWP-6B

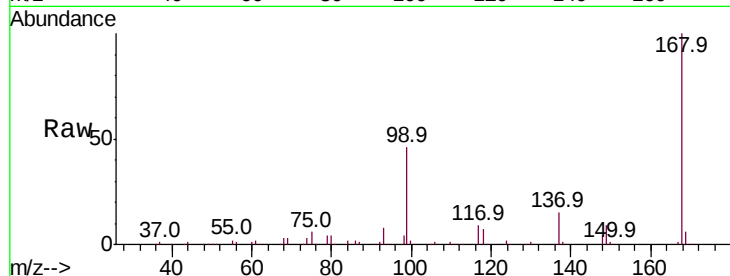
Tot Ion: 56 Resp: 5927

Ion Ratio Lower Upper

56 100

69 211.8 25.6 38.4#

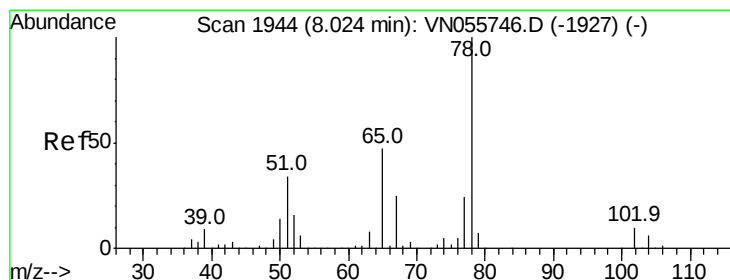
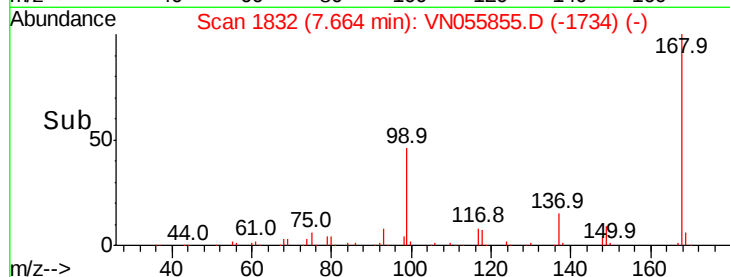
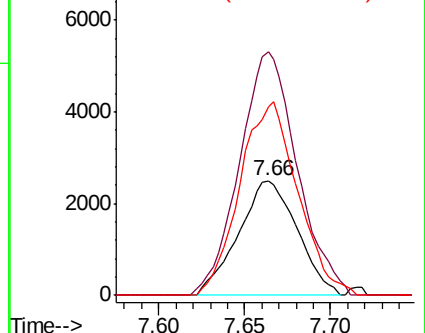
84 163.8 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 45.928 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055855.D

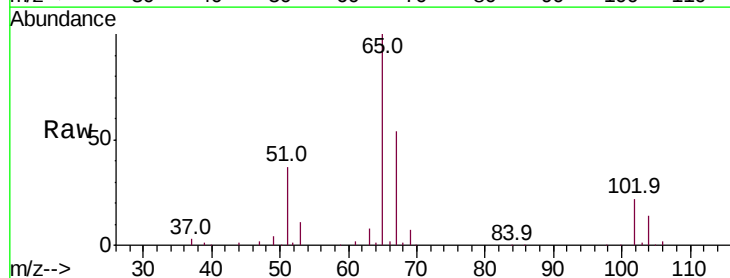
Acq: 28 May 2019 16:12

Tgt Ion: 65 Resp: 202125

Ion Ratio Lower Upper

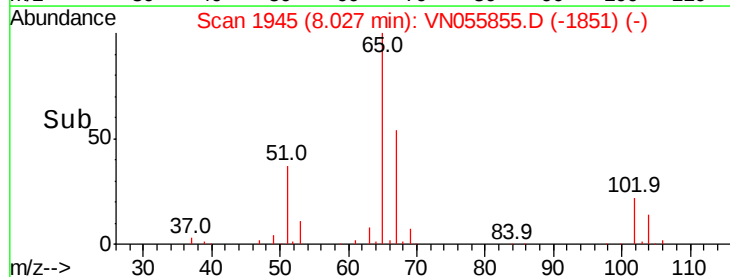
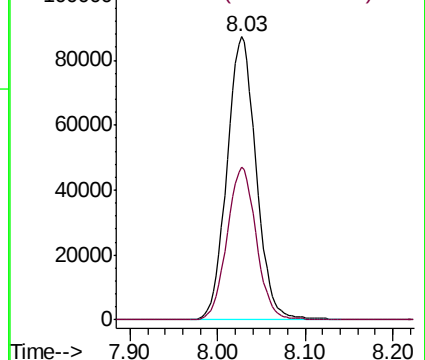
65 100

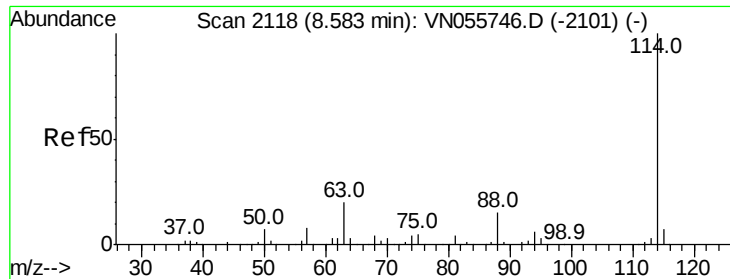
67 53.8 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

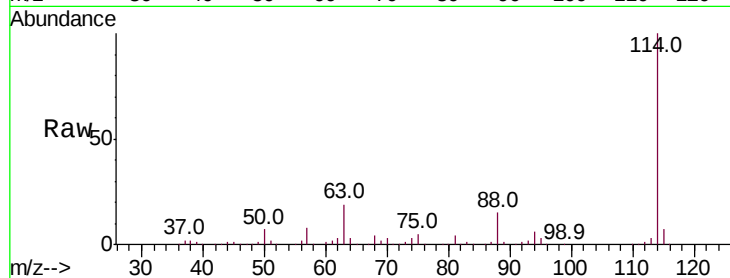




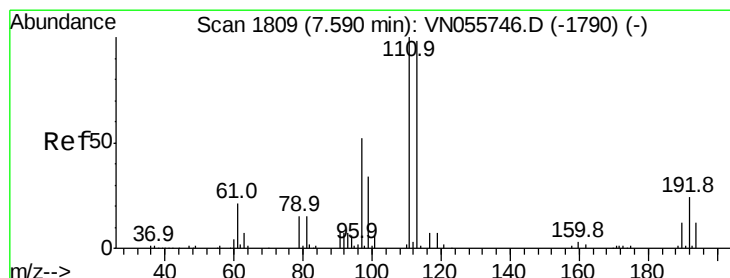
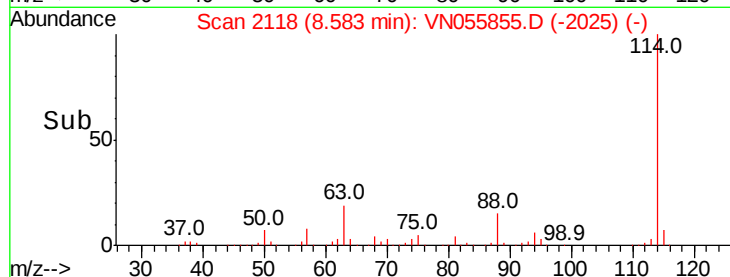
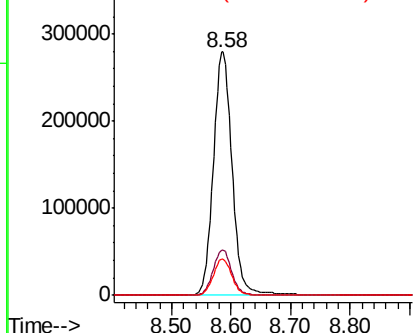
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055855.D
 Acq: 28 May 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP-6B

Tot Ion:114 Resp: 610004
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.2
 88 15.0 0.0 31.0

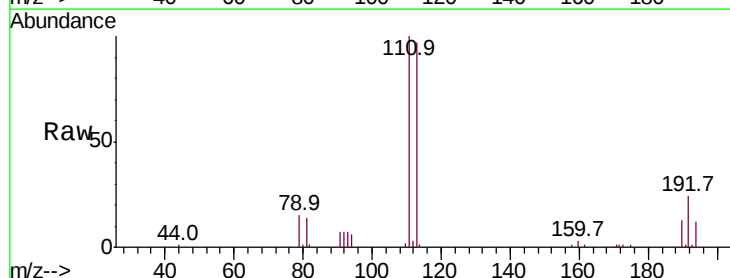


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

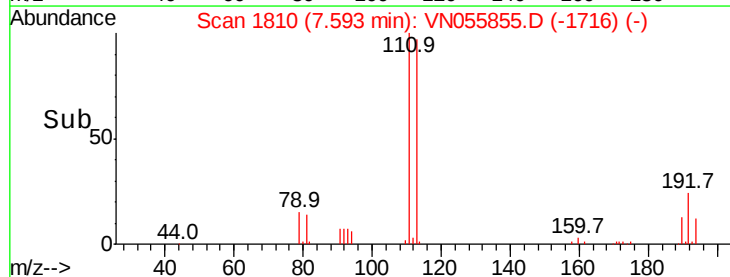
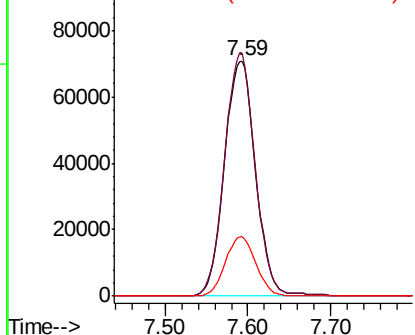


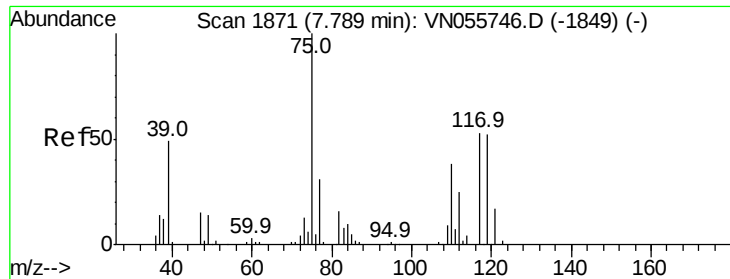
#35
 Dibromofluoromethane
 Concen: 48.013 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055855.D
 Acq: 28 May 2019 16:12

Tgt Ion:113 Resp: 185169
 Ion Ratio Lower Upper
 113 100
 111 100.5 81.9 122.9
 192 24.7 19.5 29.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.716 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055855.D

Acq: 28 May 2019 16:12

Instrument :

MSVOA_N

ClientSampled :

TWP-6B

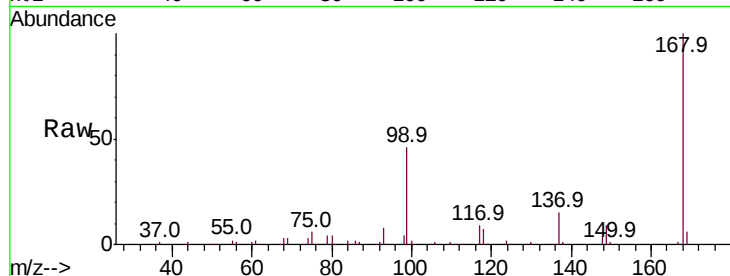
Tot Ion: 75 Resp: 25070

Ion Ratio Lower Upper

75 100

110 9.5 19.0 57.0#

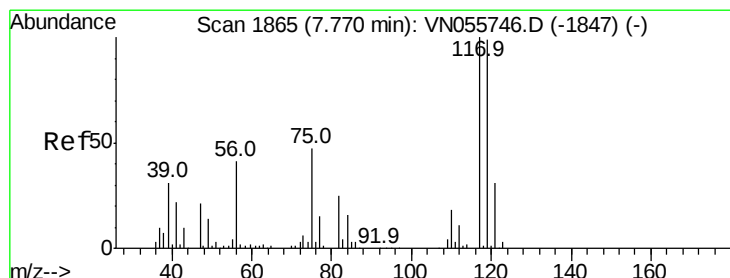
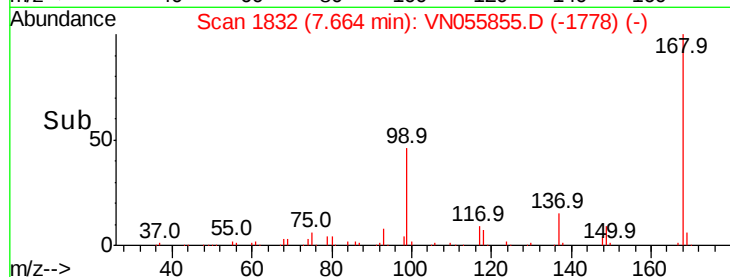
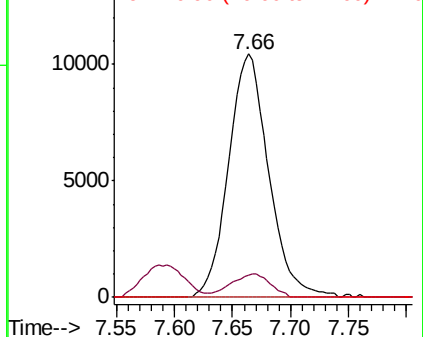
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN055746.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN055746.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN055746.D (-1849) (-)



#38

Carbon Tetrachloride

Concen: 6.354 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055855.D

Acq: 28 May 2019 16:12

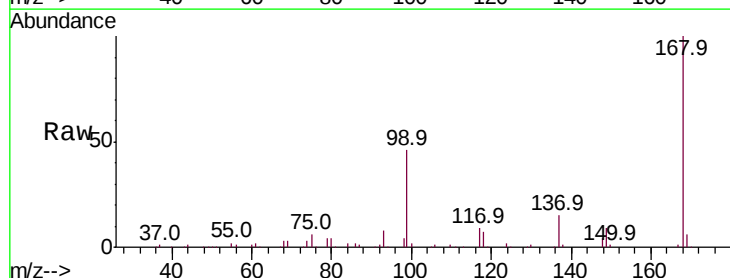
Tgt Ion: 117 Resp: 35185

Ion Ratio Lower Upper

117 100

119 4.3 79.0 118.6#

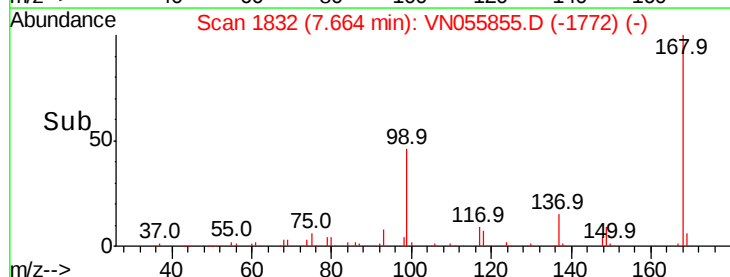
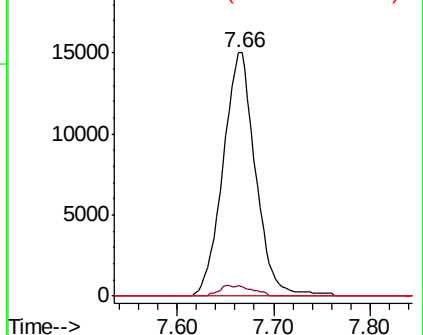
121 0.0 24.7 37.1#

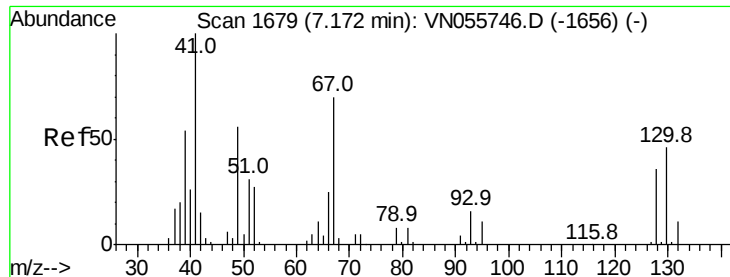


Abundance Ion 116.80 (116.50 to 117.50): VN055746.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN055746.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055746.D (-1847) (-)

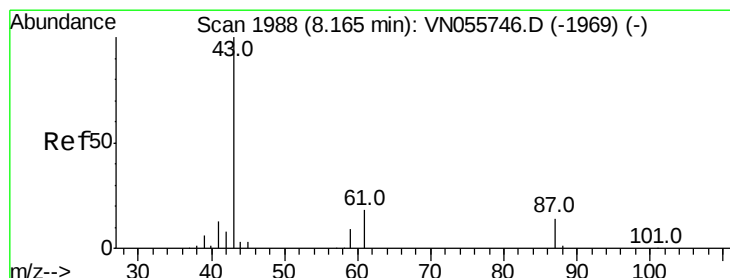
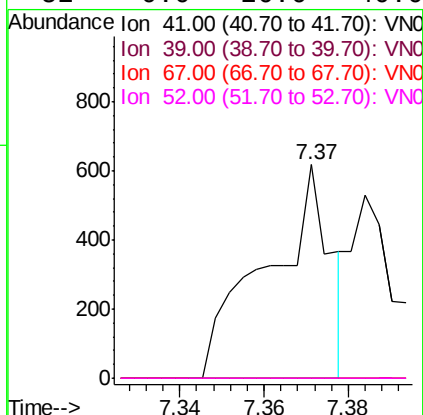
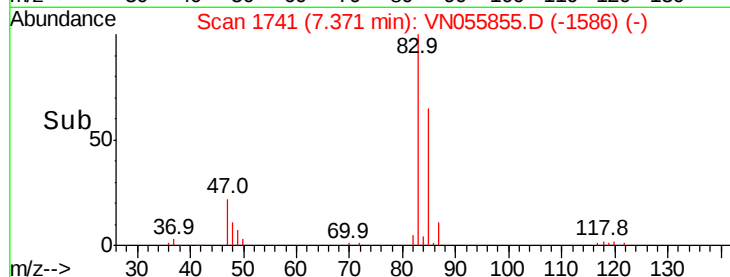
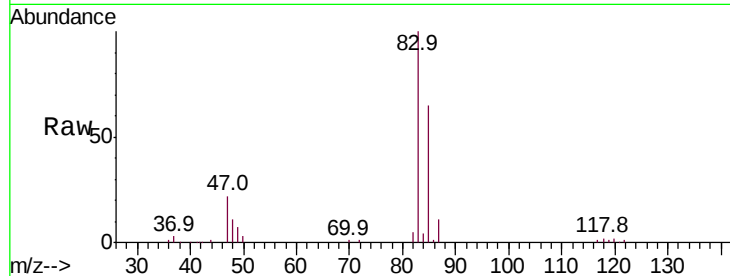




#41
Methacrylonitrile
Concen: 0.249 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.20 min
Lab File: VN055855.D
Acq: 28 May 2019 16:12

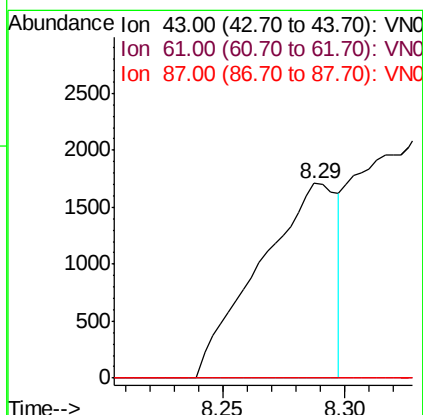
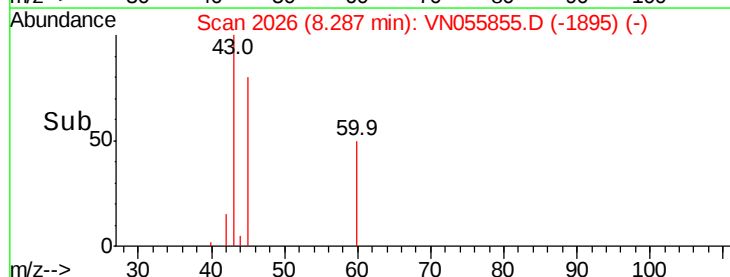
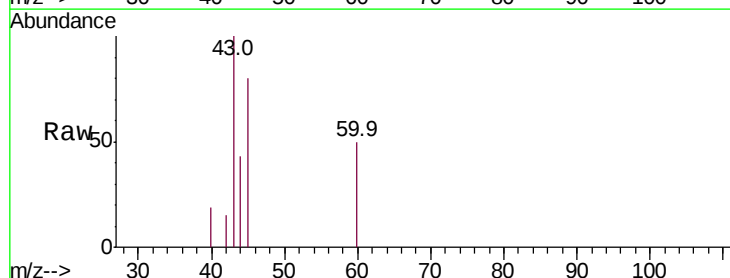
Instrument :
MSVOA_N
ClientSampleId :
TWP-6B

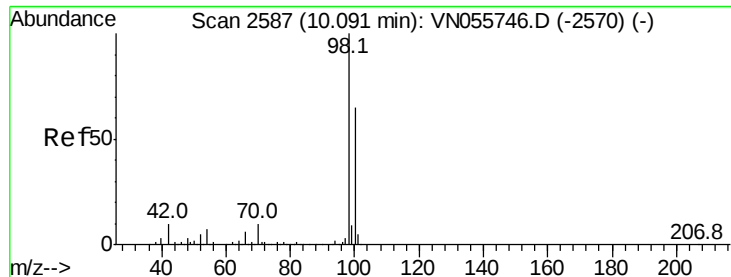
Tot Ion: 41 Resp: 646
Ion Ratio Lower Upper
41 100
39 0.0 45.6 68.4#
67 0.0 67.7 101.5#
52 0.0 26.6 40.0#



#43
Isopropyl Acetate
Concen: 0.439 ug/l
RT: 8.29 min Scan# 2026
Delta R.T. 0.12 min
Lab File: VN055855.D
Acq: 28 May 2019 16:12

Tgt Ion: 43 Resp: 3786
Ion Ratio Lower Upper
43 100
61 0.0 22.2 33.4#
87 0.0 11.4 17.2#





#50

Toluene-d8

Concen: 49.032 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055855.D

Acq: 28 May 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

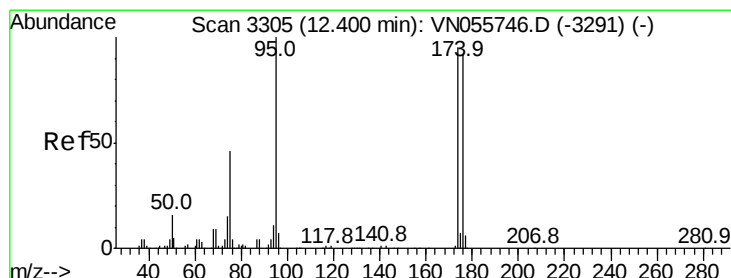
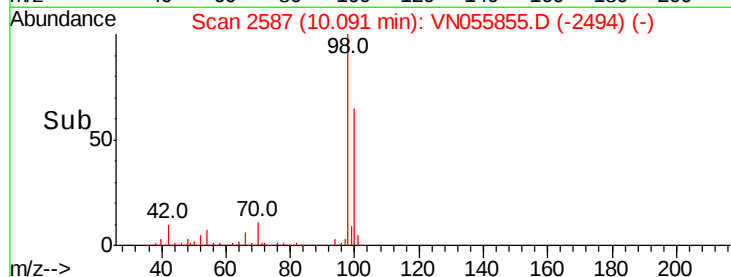
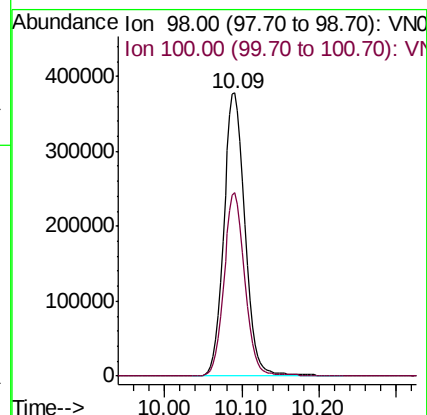
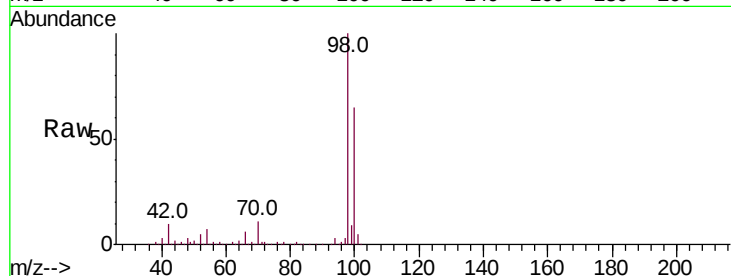
TWP-6B

Tot Ion: 98 Resp: 725368

Ion Ratio Lower Upper

98 100

100 63.8 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 43.903 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055855.D

Acq: 28 May 2019 16:12

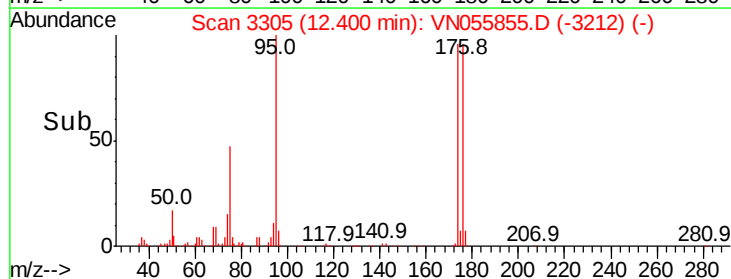
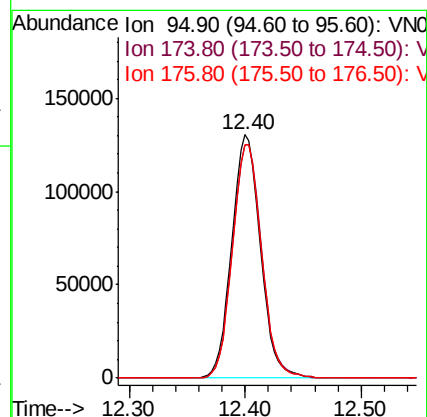
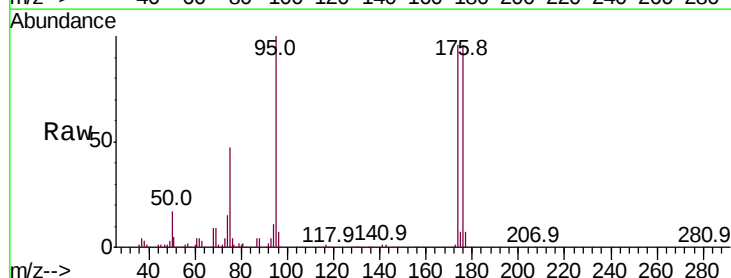
Tgt Ion: 95 Resp: 222701

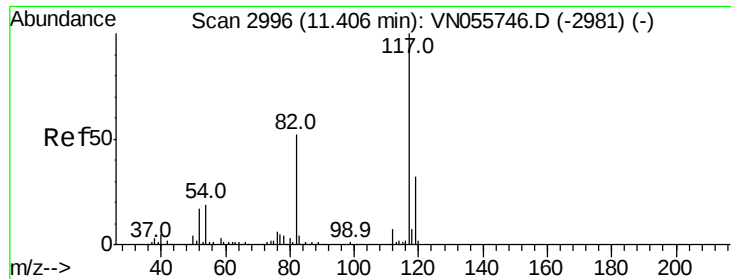
Ion Ratio Lower Upper

95 100

174 97.9 0.0 191.0

176 97.0 0.0 185.2

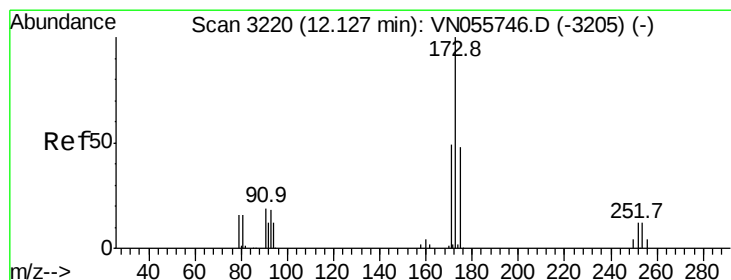
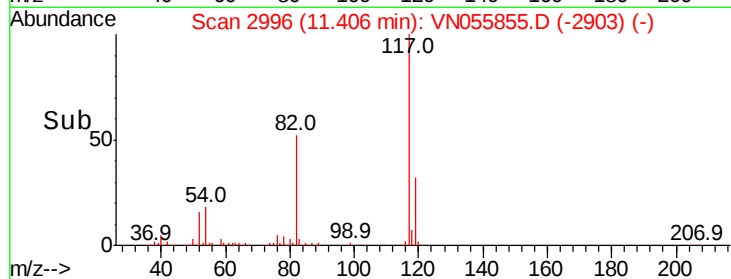
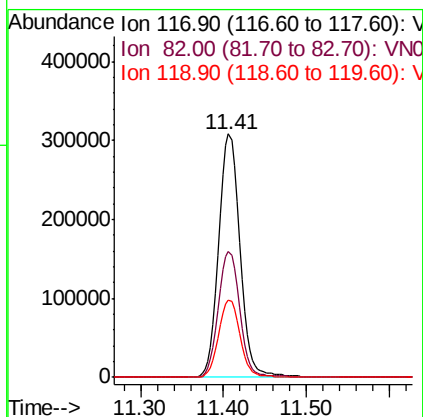
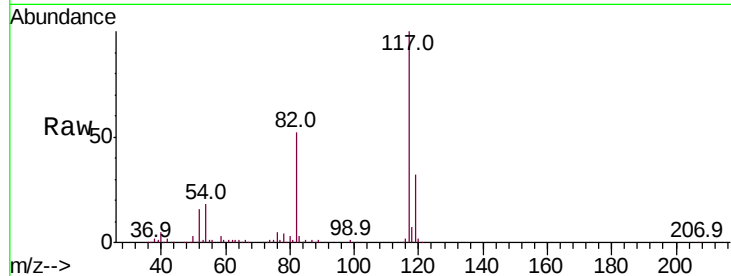




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055855.D
Acq: 28 May 2019 16:12

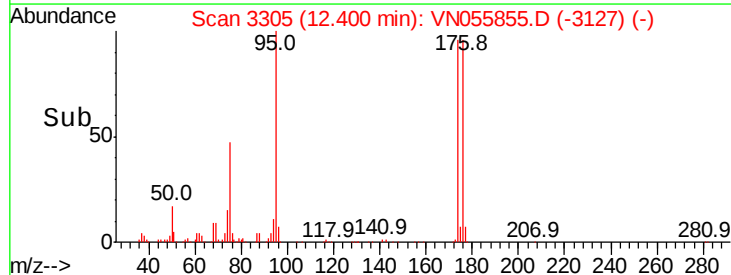
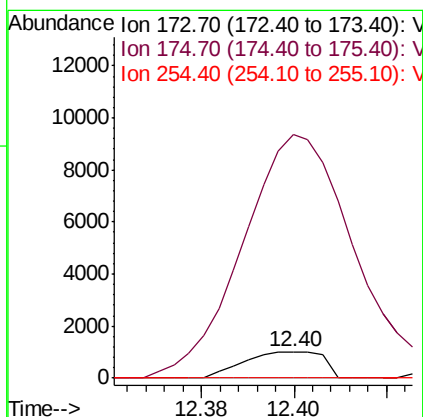
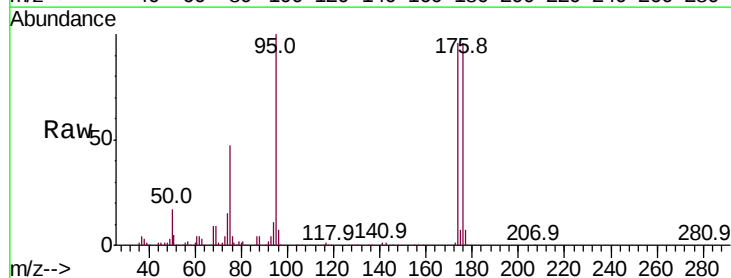
Instrument :
MSVOA_N
ClientSampled :
TWP-6B

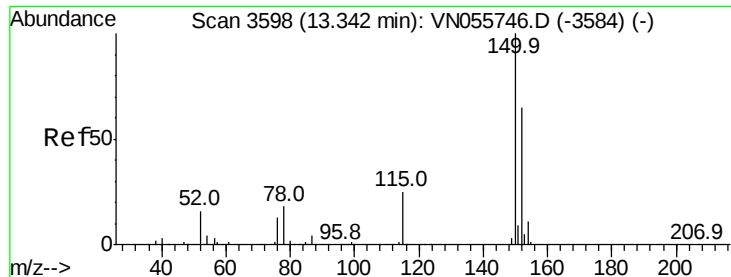
Tot Ion:117 Resp: 548142
Ion Ratio Lower Upper
117 100
82 51.5 41.8 62.8
119 31.8 25.4 38.0



#71
Bromoform
Concen: 0.324 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055855.D
Acq: 28 May 2019 16:12

Tgt Ion:173 Resp: 1210
Ion Ratio Lower Upper
173 100
175 1130.6 24.3 72.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055855.D

Acq: 28 May 2019 16:12

Instrument :

MSVOA_N

ClientSampled :

TWP-6B

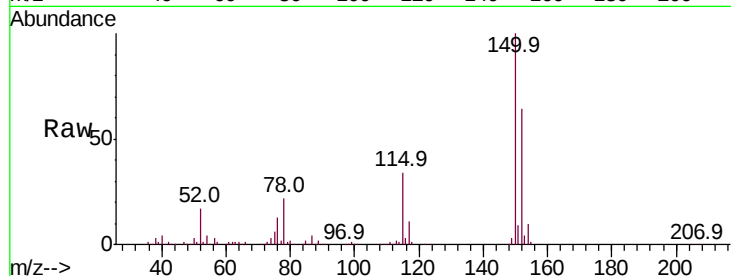
Tot Ion:152 Resp: 184909

Ion Ratio Lower Upper

152 100

115 51.5 27.0 81.0

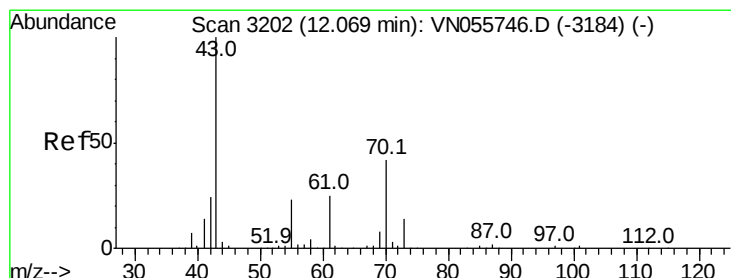
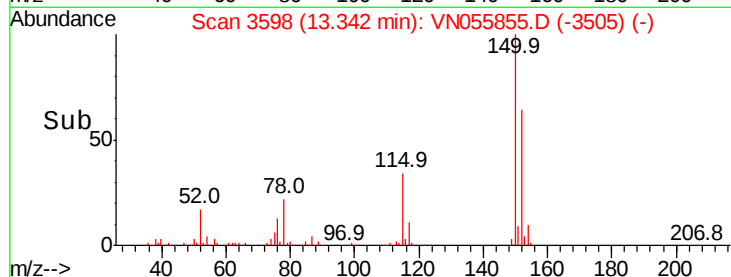
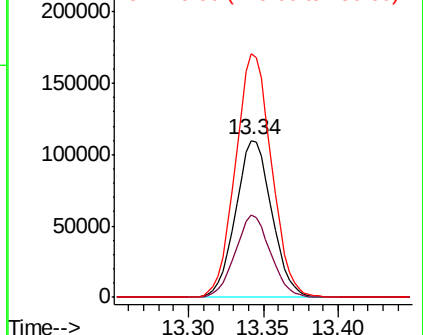
150 155.4 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN055855.D

Acq: 28 May 2019 16:12

Tgt Ion: 43 Resp: 221

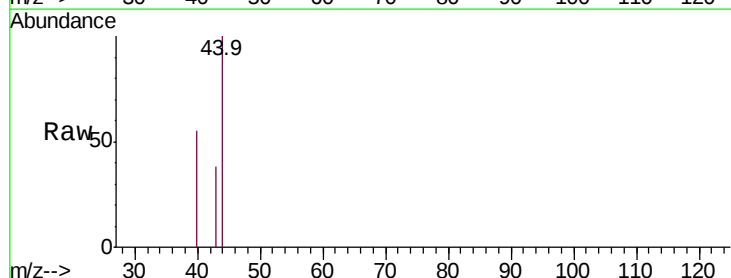
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 20.0 30.0#

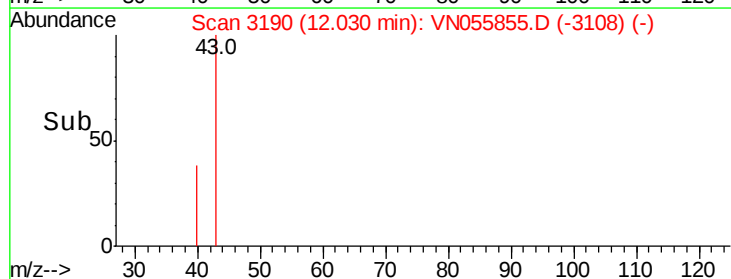
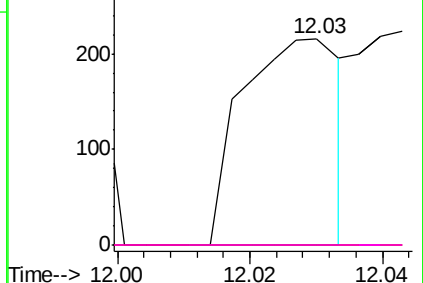


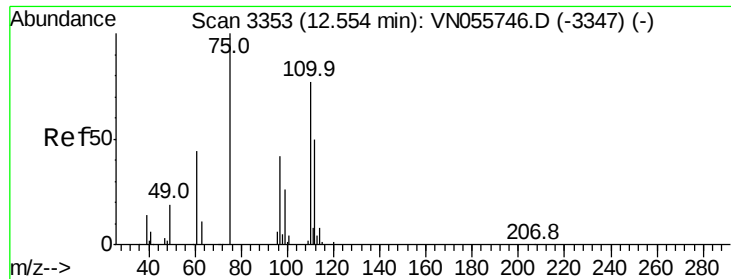
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

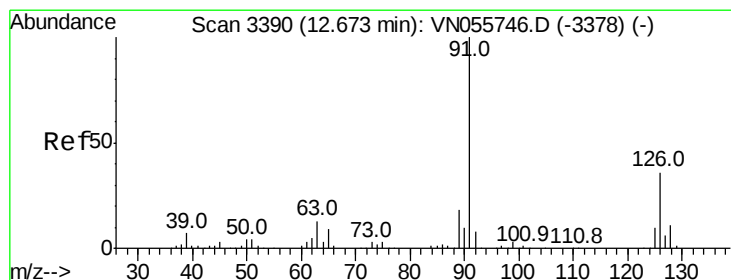
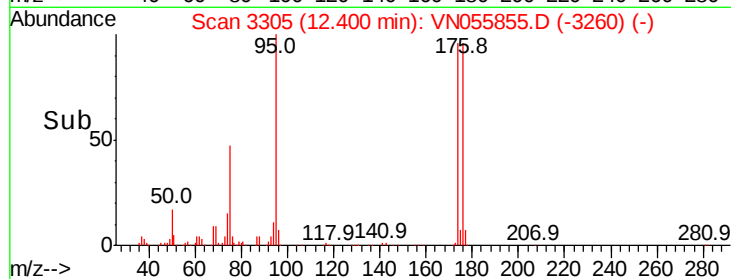
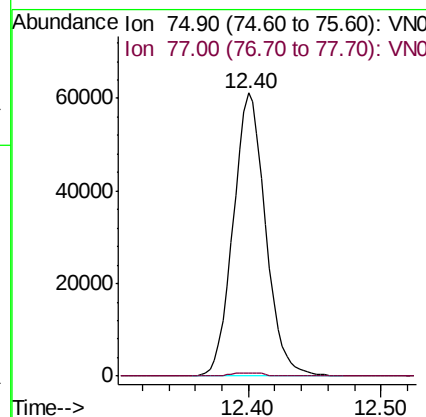
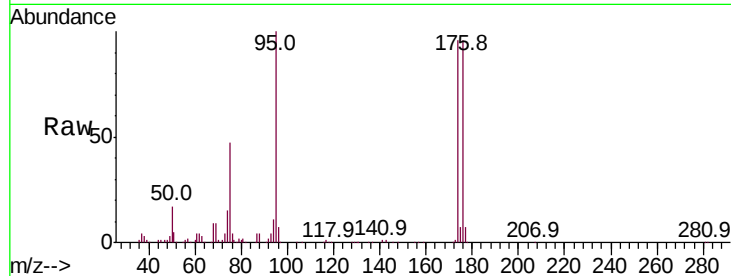




#76
 1,2,3-Trichloropropane
 Concen: 31.412 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN055855.D
 Acq: 28 May 2019 16:12

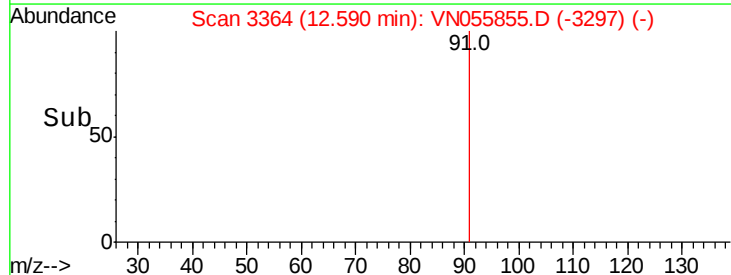
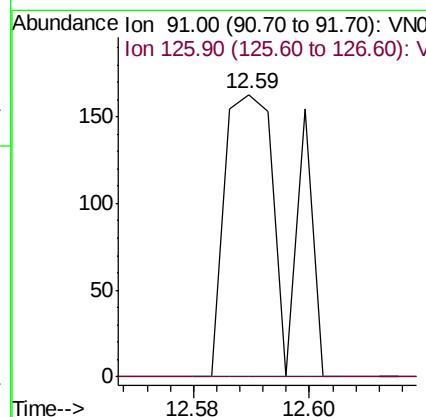
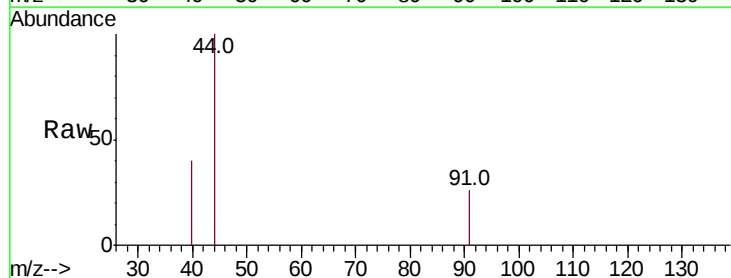
Instrument :
 MSVOA_N
 ClientSampled :
 TWP-6B

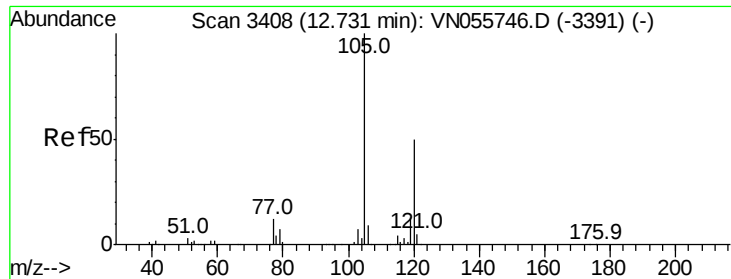
Tot Ion: 75 Resp: 103742
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.59 min Scan# 3364
 Delta R.T. -0.08 min
 Lab File: VN055855.D
 Acq: 28 May 2019 16:12

Tgt Ion: 91 Resp: 121
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.1 54.4#

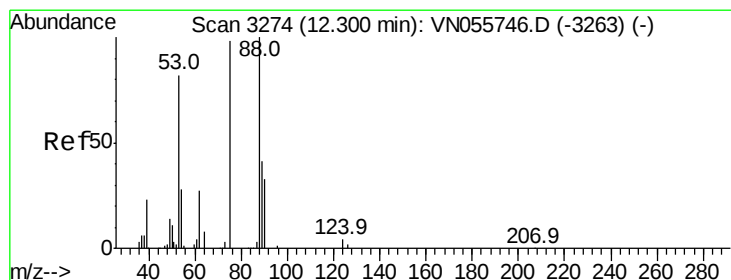
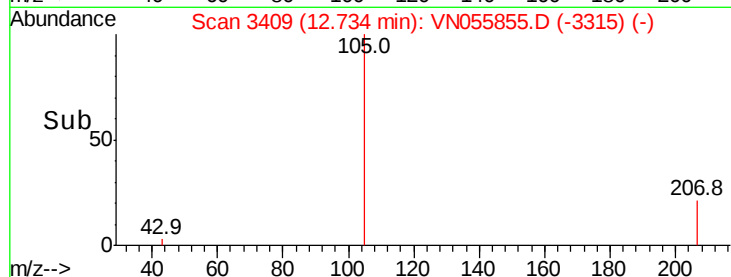
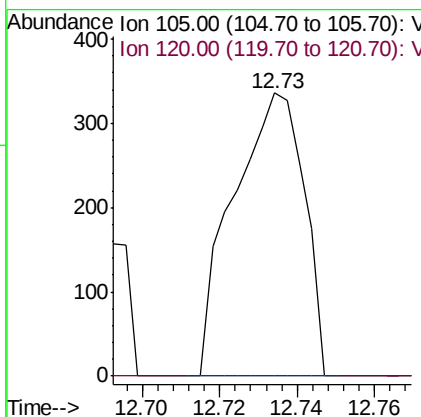
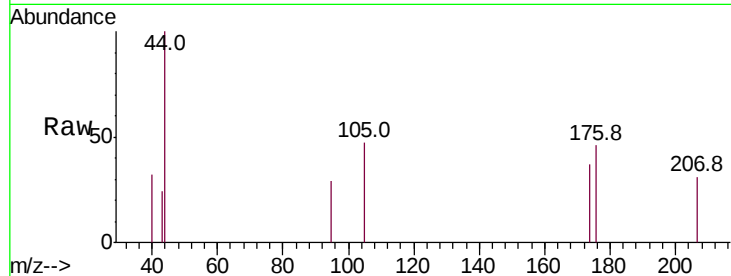




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN055855.D
 Acq: 28 May 2019 16:12

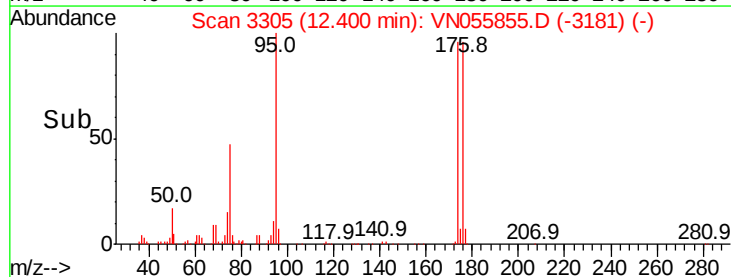
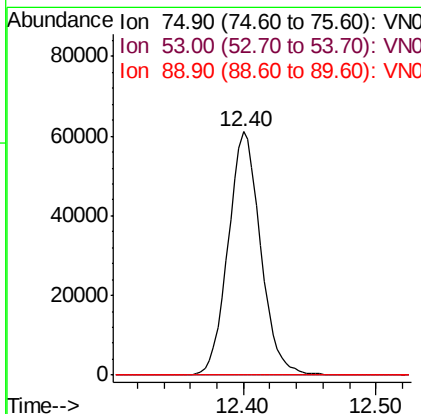
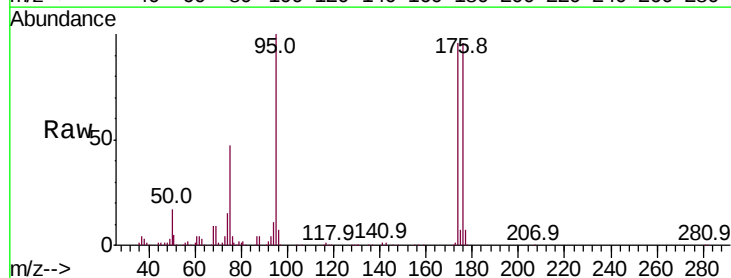
Instrument :
 MSVOA_N
 ClientSampleId :
 TWP-6B

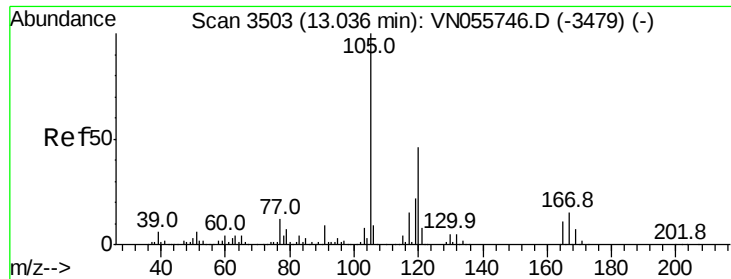
Tot Ion:105 Resp: 427
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.7 74.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.487 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055855.D
 Acq: 28 May 2019 16:12

Tgt Ion: 75 Resp: 103742
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.1 102.1#
 89 0.0 36.9 55.3#

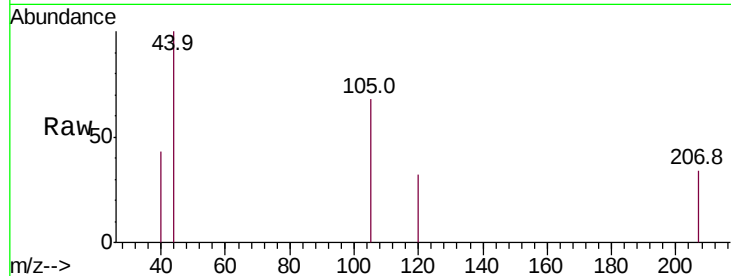




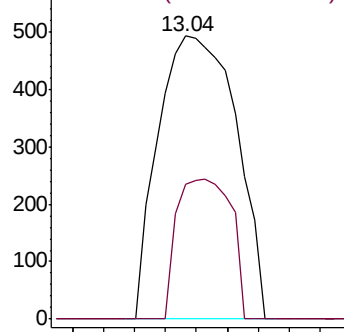
#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN055855.D
 Acq: 28 May 2019 16:12

Instrument :
 MSVOA_N
 ClientSampled :
 TWP-6B

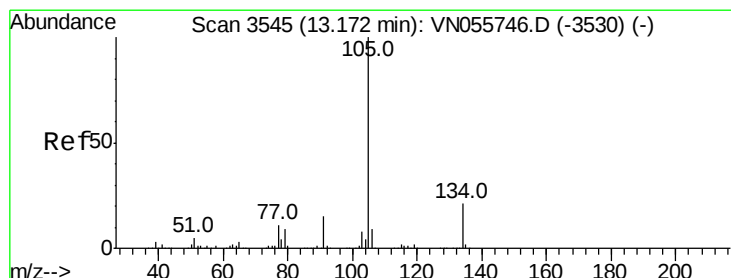
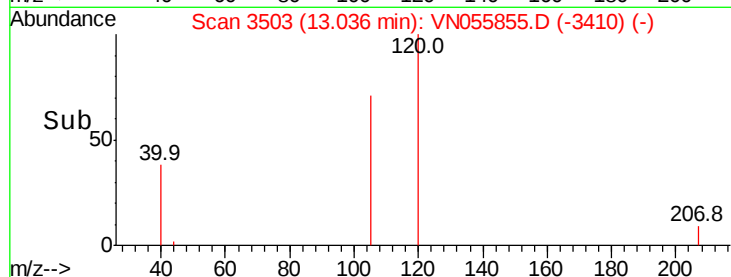
Tot Ion:105 Resp: 865
 Ion Ratio Lower Upper
 105 100
 120 34.3 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

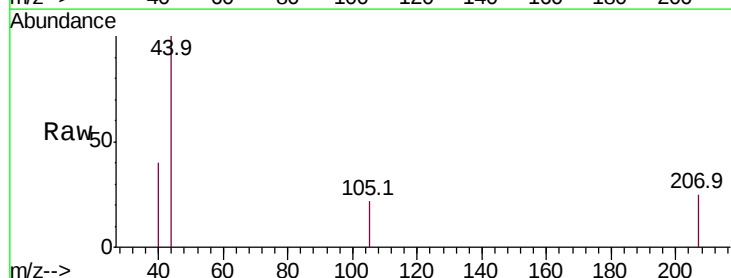


Time--> 13.00 13.05

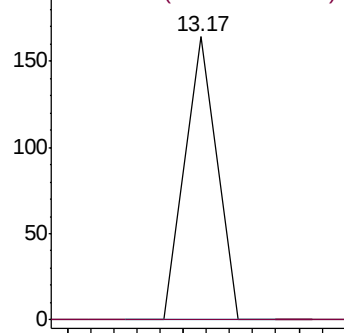


#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055855.D
 Acq: 28 May 2019 16:12

Tgt Ion:105 Resp: 32
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.2#



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V



Time--> 13.16 13.17 13.18

